# Major Commander's Training Symposium

# POM-08 Navy Budget Overview

CAPT Jon Kaufmann
CNSF N8

# Agenda

- **SWE Interaction in the Budget Process**
- **Navy Budget Topline Trends**
- **POM 08 Overview**
- **Surface Warfighting Programs**
- **CONPLAN 7500 Investments**

# Surface Warfare Enterprise Oversight

## SWE Board of Directors (BOD)

*** *EXCOMM***

*VADM Sullivan, NAVSEA
*RADM Curtis, DCNSF/CNSL
*RADM McCullough, OPNAV N8F
*MGEN Benes, OPNAV N85
*RDML Goddard, PEO SHIPS *RDML Campbell,

*VADM Etnyre, CNSF
RADM Thompson, NAVSUP RDML Klein, INSURV RADM Reilly, MSC RADM Hugel, SEA 04
RDML Orzalli, RMC Commander RDML

RDML McManamonV-NAVSEA
RDML Shatynski , CNSF
RDML Guillory OPNAV N86B RDML Deets, NNWC
RDML Barnett, N85B

**VADM Sullivan, NAVSEA Chief Operating Officer**

**Communications Team**
**AO: CDR Campbell, CNSF PAO**

**RADM McCullough, OPNAV N8F Chief Financial Officer**

**RADM Curtis, DCNSF Chief Readiness Officer**

**Sustainment & Modernization Team**
**FLAG Lead: RDML McManamon**
**AO: CNSF N43 CAPT Lewis**
**Co-AO:NAVICP85 CAPT Costello**

- **Logistics (Parts/Food/Fuel/Ordnance)**
- **Maintenance**
- **Modernization**

**Personnel Readiness Team**
**FLAG Leads: RDML Hebner / RDML Shatynski**
**AO: CNSF N1 CDR Deehr**
**Co-AO: PERS41 CAPT Sharpe**

- **Requirements Planning**
- **Personnel Assignment**
- **Individual Training**
- **Unit / Intermediate / Sustainment Training**

**Strategic Financial Management Team**
**FLAG Leads: RDML Carr**
**AO: CNSF N41 CAPT Davis**
**Co-AO: CNSF N8 CAPT Kaufmann**

- **Strategic Financial Planning**
- **Financial Reporting / Metrics**

**CLASSRONS**

**Over-arching Metrics Team**
**AO: Mr. Warner, CNSF N8A**

As of: 22May07

# CFO/SFMT Structure

**RADM McCullough, N8F**
**Chief Financial Officer**

**CFO Coordination Group**

**Lead – CDR Paul Flood (N860)**

**SFMT-Core Team**

**Leader: RDML Carr / RDML(s) Horn**

AOs: CAPT Harry Davis, CNSF N41
CAPT Jon Kaufmann, CNSF N8

**New Flags**

**RDML Greene**

**RDML Tidd**

**Strategic Financial Planning Team**

**Leader – CDR Paul Flood (N860)**

- Develop a cost management str

**POM 10 Development**

**PR 09/PRG Implementation**

**SRP Workshop II**

**PR09 SWE Priority List / POM 10 guidance**

**Financial Reporting and Metrics Team**

**Lead – Mr. Ed Herring**

**CDR Jere Anderson (CNSL N41)**

- Implement monthly cost reporting (actual vice plan) & bridgeplots

**Active BRTs**

**Cost Reporting and Responsibility**

**Savings/Avoidance Process**

**Financial Infrastructure**

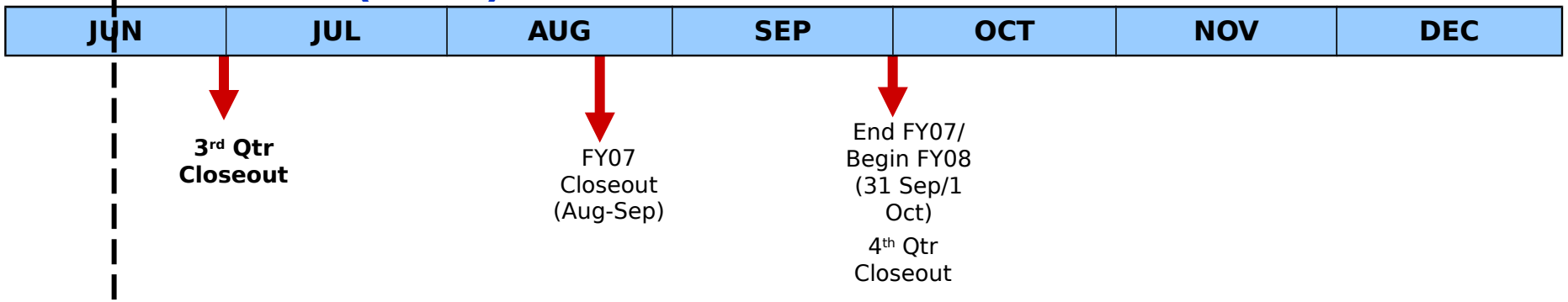
**(Flow of funds)**

# SWE Fiscal Calendar

*(As of 02 MAY 2007)*

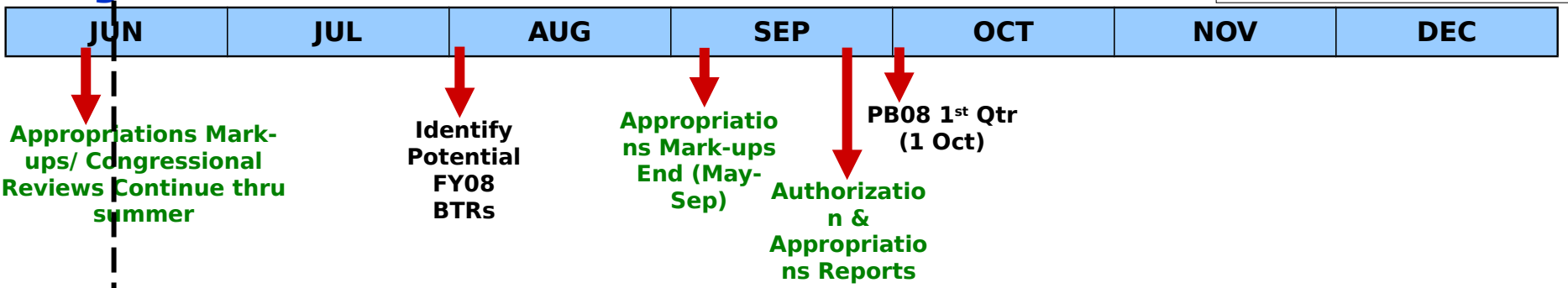
TODAY

## Execution Year (FY07)



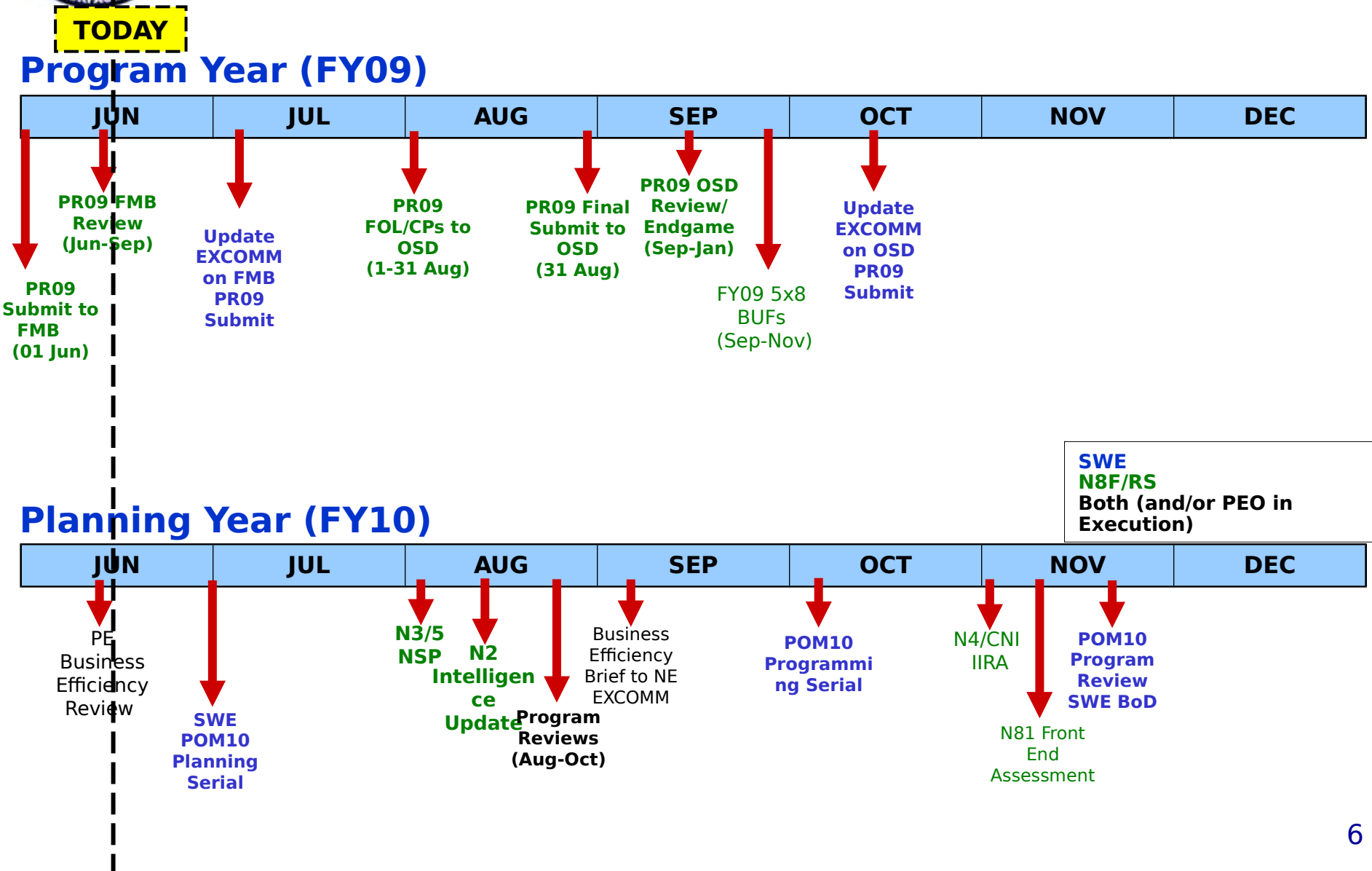

SWE
N8F/RS
Both (and/or PEO in Execution)

## Budget Year (FY08)



# SWE Fiscal Calendar

*(As of 02 MAY 2007)*



# SWE Costs by Appropriation FY08

**Readiness**

**Investment**

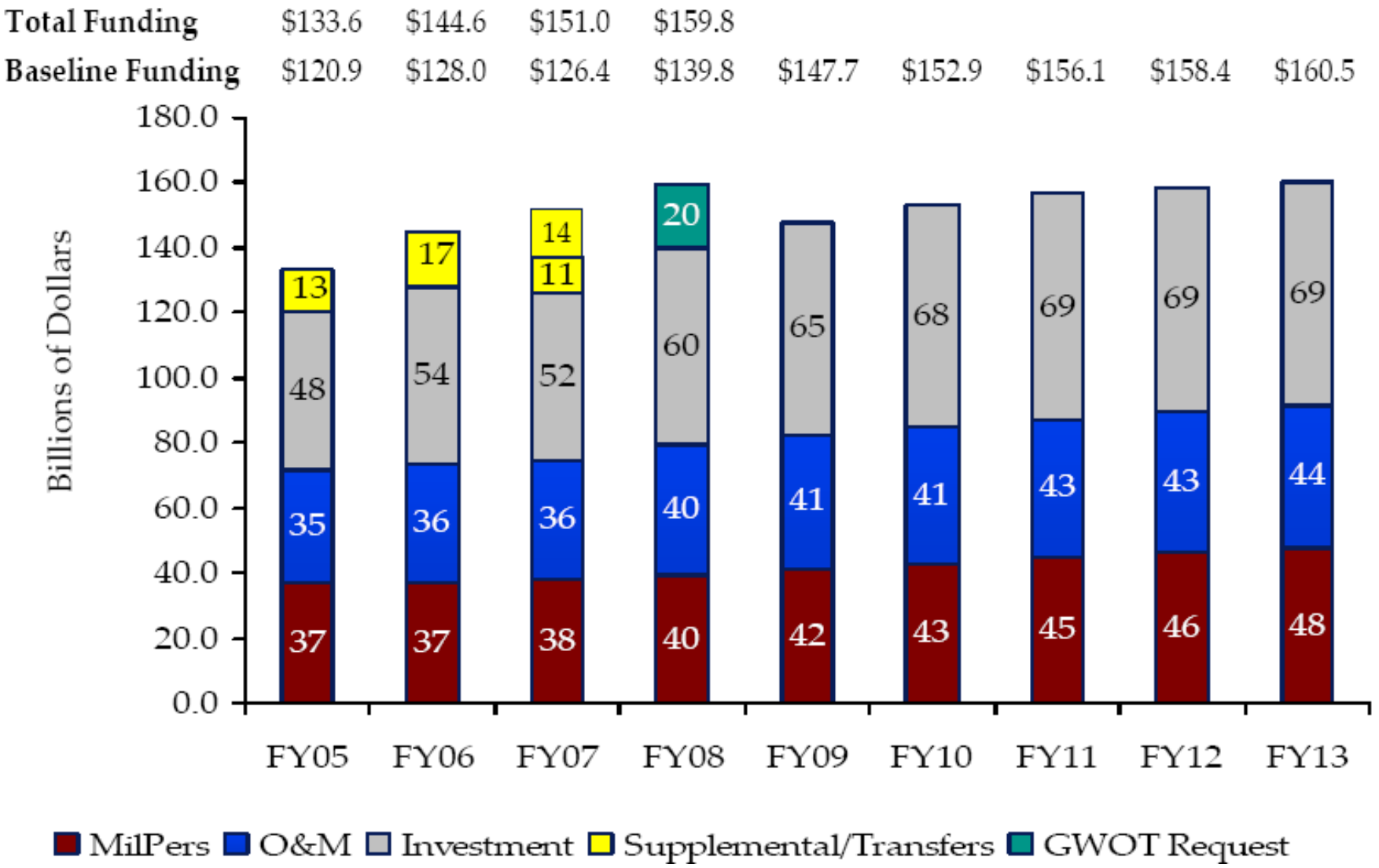
| OMN/R | M/RPN | SCN | RDT&E | OPN | NDSF | WPN | PANMC | APN |
|---|---|---|---|---|---|---|---|---|
| | | | | | | |  |  |
| 28.0¢ | 18.6¢ | 28.6¢ | 9.4¢ | 6.3¢ | 4.3¢ | 4.1¢ | .5¢ | .2¢ |
| $7.01B | $4.64B | $7.16B | $2.35B | $1.59B | $1.08B | $1.03B | $0.11B | $0.04B |

**FY08 Total SWE: $25.02B**

**Readiness: $11.65B**
**Readiness % of SWE: 47%**

**Investment: $13.37B**
**Investment % of SWE: 53%**

# Department of the Navy Budget Trends



# FY 2008 Budget Breakdown

## MilPers: $39.4B

| | |
|---|---|
| Basic Pays | $16.0B |
| Retired Pay Accrual | $5.8B |
| Housing Allowance | $5.6B |
| Health Accrual | $3.4B |
| Reserve Personnel | $2.4B |
| Allowances | $2.2B |
| Subsistence | $1.5B |
| Other (PCS, Death Gratuities, etc.) | $1.3B |
| Special Pays | $1.2B |

Navy Strength 328,400
Marine Corps 180,000

## O&M: $40.0B

| | |
|---|---|
| Ship Ops | $9.6B |
| Aviation Ops | $6.4B |
| Base Support | $5.7B |
| Marine Corps O&M | $5.0B |
| Combat/Weapons Support | $4.7B |
| Service Wide Support | $4.0B |
| Training and Education | $2.1B |
| Reserve O&M | $1.4B |

Rotational deployed presence

$

FY08:
$139.8B

## Procurement: $39.8B

| | |
|---|---|
| Ships | $14.7B |
| Aircraft | $12.7B |
| Other Procurement | $5.5B |
| Weapons Procurement | $3.1B |
| Marine Corps Procurement | $3.8B |

Transforming Investment

## MILCON: $3.6B

| | |
|---|---|
| MILCON | $2,163M |
| BRAC | $734M |
| Family Housing | $669M |

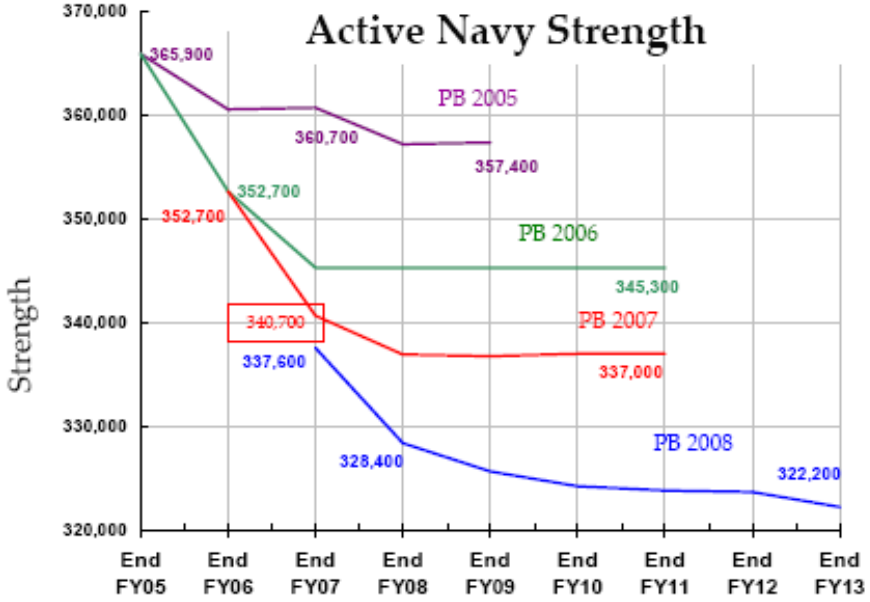
QOL Housing Initiatives

## R&D: $17.1B

| | |
|---|---|
| JSF (F-35) | $1,707M |
| S&T | $1,667M |
| MMA (P-8A) | $880M |
| JTRS | $854M |
| E-2D AHE | $809M |
| MUOS | $736M |
| DDG-1000 | $622M |
| CH-53K | $417M |
| EFV | $288M |
| EA-18 | $273M |
| VH-71 | $271M |
| 158 R&D Efforts | $8,552M |

Acquisition Maturation

# Military Personnel and End Strength

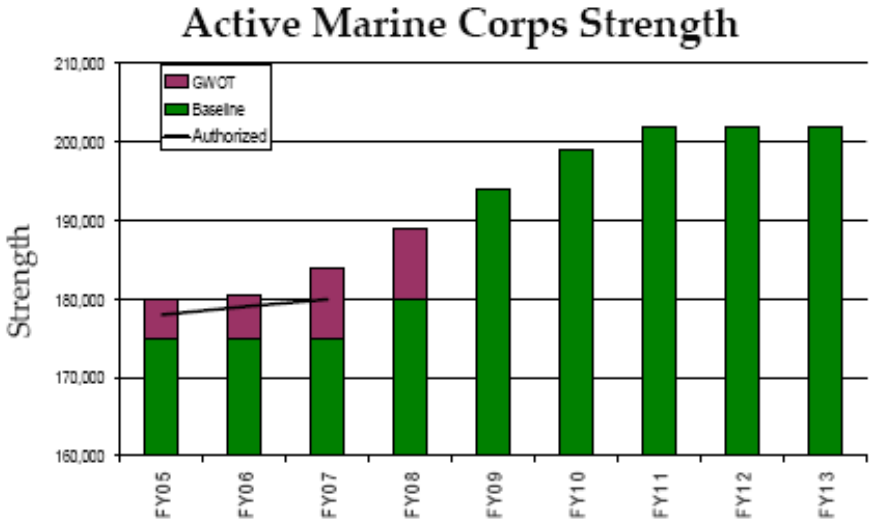



## Transforming the Force

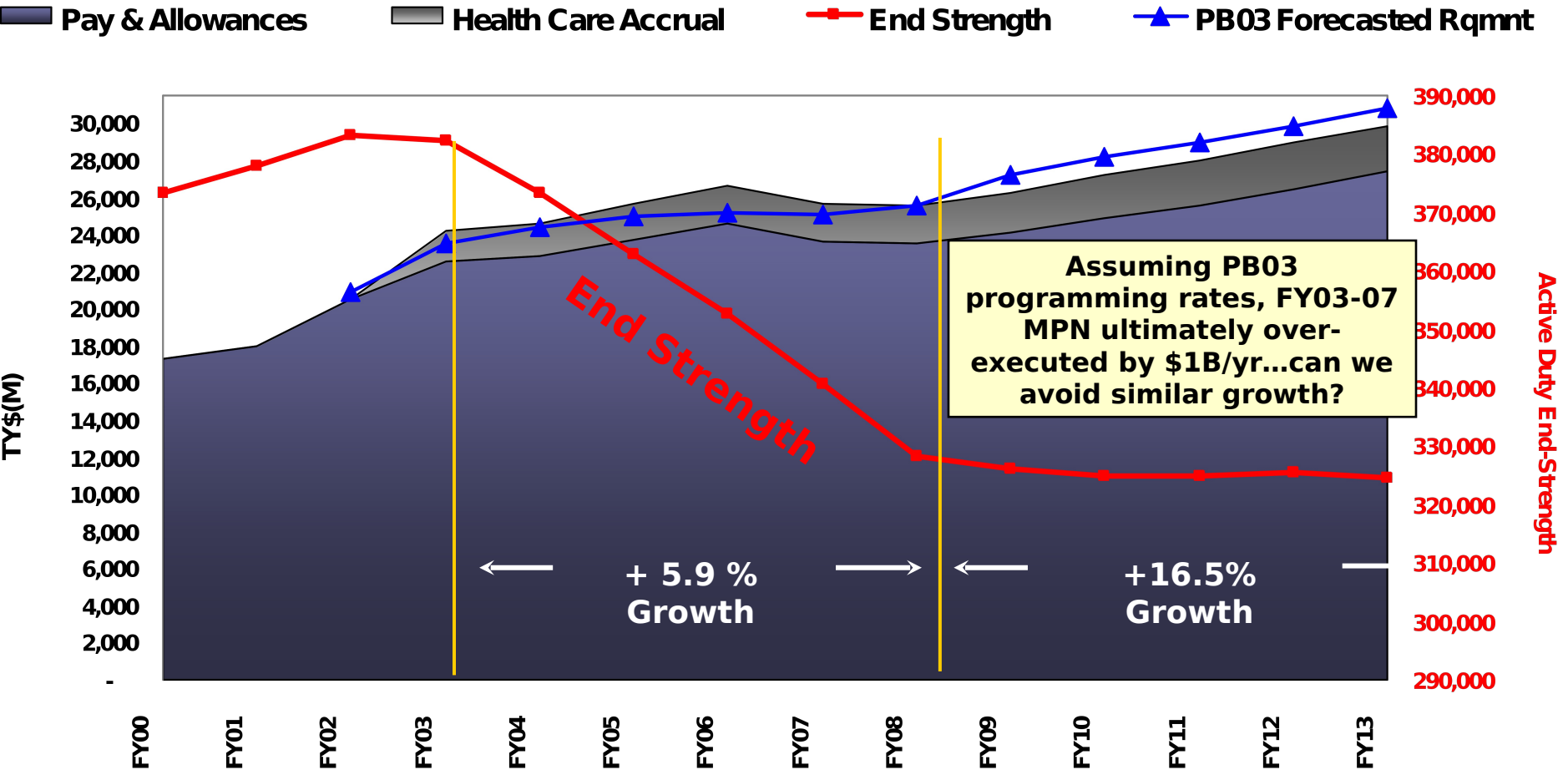
- Improved training & development processes
- Decommission older manpower intensive platforms
- Increased technology
- More efficient infrastructure manning
- Active/Reserve integration
- Military to civilian conversions

## Properly Priced and Sized for the Future

- Increase the warfighting force
  - 202K by 2011
  - Continuing military to civilian conversion
    - Enhance irregular capabilities to fight the long war
    - Fill high demand low-density skill sets
    - Provide 3 balanced MEFS
- 9K overstrength funded outside baseline
  - Meets short-term GWOT requirements
  - Improve turnaround ratio
  - Reduce stress on individual Marine and family



# Stabilizing Manpower Costs




**Challenge: Containing costs without further military end-strength reductions**

# POM-08 Shipbuilding Quantities

| | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY08-13 |
|---|---|---|---|---|---|---|---|---|
| CVN 21 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| SSN 774 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 8 |
| DDG 1000 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 5 |
| CG(X) | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| LCS | 2 | 3 | 6 | 6 | 6 | 6 | 5 | 32 |
| LPD 17 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| LHA(R) | 1 | 0 | 0 | ~~1~~ 0 | 0 | 0 | 0 | 0 |
| T-AKE | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 4 |
| MPF Aviation | 0 | 0 | 0 | ~~0~~ 1 | ~~1~~ 0 | 0 | 1 | 2 |
| MPF LMSR | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| MPF MLP | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 |
| JCC(X) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| T-ATF | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| JHSV | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| New Construction | 7 | 7 | 11 | 12 | ~~14~~ 13 | 12 | 12 | 67 |
| Sea Shore Connectors | 0 | 0 | 0 | ~~1~~ 0 | ~~3~~ 1 | 0 | 3 | 4 |
| SSBN ERO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| CVN RCOH | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |

# Shipbuilding Quantities

## (PR-09 Proposed Changes)

POM-08 Changes in R
PR-09 Proposed Changes in B

| | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY08-13 |
|---|---|---|---|---|---|---|---|---|
| CVN 21 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| SSN 774 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 8 |
| DDG 1000 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 5 |
| CG(X) | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| LCS | ~~2~~ 0 | ~~3~~ 2 | ~~3~~ 3 | ~~3~~ 3 | ~~3~~ 3 | ~~3~~ 4 | ~~3~~ 4 | ~~32~~ 19 |
| LPD 17 | 0 | 1 | ~~0~~ 1 | 0 | 0 | 0 | 0 | ~~1~~ 2 |
| LHA(R) | 1 | 0 | 0 | ~~1~~ 0 | 0 | 0 | 0 | 0 |
| T-AKE (CLF & MPF) | 1 | 1 | ~~1~~ 2 | 1 | 1 | 0 | 0 | ~~4~~ 5 |
| MPF Aviation | 0 | 0 | 0 | ~~0~~ 1 | ~~1~~ 1 | 0 | ~~1~~ 0 | ~~2~~ 1 |
| MPF LMSR | 0 | 0 | 0 | ~~1~~ 0 | 1 | ~~1~~ 0 | ~~0~~ 1 | ~~3~~ 2 |
| MPF MLP | 0 | 0 | ~~1~~ 0 | ~~0~~ 1 | ~~1~~ 0 | ~~0~~ 1 | 1 | 3 |
| JCC(X) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| T-ATF | 0 | 0 | 0 | 0 | 0 | 0 | ~~1~~ 0 | ~~1~~ 0 |
| JHSV | 0 | 0 | 1 | ~~1~~ 2 | 1 | ~~0~~ 1 | ~~0~~ 1 | ~~3~~ 6 |
| New Construction | ~~7~~ 5 | ~~7~~ 6 | ~~11~~ 9 | ~~12~~ 9 | ~~14~~ ~~13~~ 10 | ~~12~~ 11 | 12 | ~~67~~ 56 |
| Sea Shore Connectors | 0 | 0 | 0 | ~~1~~ 0 | ~~3~~ 1 | 0 | 3 | 4 |
| SSBN ERO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 |
| CVN RCOH | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |

# Missiles and Munitions

| Quantity Procured | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY08-13 |
|---|---|---|---|---|---|---|---|---|
| TACTOM | 355 | 394 | 265 | 257 | 281 | 278 | 266 | 1,741 |
| JSOW | 390 | 421 | 504 | 521 | 541 | 530 | 552 | 3,069 |
| JDAM | 3,400 | 1,145 | 850 | 850 | 500 | - | - | 3,345 |
| Trident II | - | 12 | 24 | 24 | 24 | 24 | - | 108 |
| AMRAAM | 128 | 79 | 97 | 99 | 90 | 91 | 94 | 550 |
| AIM-9X | 174 | 184 | 205 | 202 | 200 | 220 | 221 | 1,232 |
| Standard Missile | 75 | 75 | 80 | 90 | 105 | 142 | 150 | 642 |
| RAM | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 540 |
| ESSM | 100 | 85 | 86 | 88 | - | - | - | 259 |
| Lightweight Torpedoes | 133 | 133 | 280 | 297 | 252 | 271 | 257 | 1,490 |
| Heavyweight Torpedoes | 103 | 84 | 84 | 84 | 84 | 84 | 84 | 504 |

# Full FY 2007 Supplemental

## MilPers: $2.5B

| | |
|---|---|
| End Strength / Pays | $1,869M |
| Change of Station | $88M |
| Casualty/Disability | $228M |
| Mobilization Training | $88M |
| Recruiting/Retention | $210M |

Marine Corps + 9,000 End Strength

## Procurement: $10.0B

| | |
|---|---|
| Marine Corps Procurement | $6.7B |
| Aircraft | $1.6B |
| Other Procurement | $1.2B |
| Weapons Procurement | $0.3B |

Reset the Force

- ***Approx $11B received up front at st***
- ***Approx $14B just approved by Cong***

## O&M: $11.1B

| | |
|---|---|
| Marine Corps O&M | $4.1B |
| Combat/Weapons Support | $1.7B |
| Aviation Ops | $1.9B |
| Ship Ops | $1.5B |
| Service Wide Support | $1.0B |
| Base Support | $0.6B |
| Training and Education | $0.1B |
| Reserve O&M | $0.2B |

Rotational deployed presence

## MILCON: $0.4B

| | |
|---|---|
| MILCON | $413M |

Supporting CJTF HOA and Guantanamo

## R&D: $0.7B

| | |
|---|---|
| Classified Programs | $215M |
| USMC Ground Development | $175M |
| Aviation Development | $134M |
| Other | $84M |

Technology Investment

# FY 2008 GWOT Request

## MilPers: $2.4B

| | |
|---|---|
| End Strength / Pays | $1,805M |
| Change of Station | $89M |
| Casualty/Disability | $196M |
| Mobilization Training | $85M |
| Recruiting/Retention | $210M |

Marine Corps + 9,000 End Strength

## Procurement: $7.3B

| | |
|---|---|
| Marine Corps Procurement | $2.5.B |
| Aircraft | $3.1B |
| Other Procurement | $0.8B |
| Weapons Procurement | $0.9B |

Reset the Force

## O&M: $9.6B

| | |
|---|---|
| Marine Corps O&M | $4.0B |
| Combat/Weapons Support | $2.0B |
| Aviation Ops | $1.2B |
| Ship Ops | $0.9B |
| Service Wide Support | $0.6B |
| Base Support | $0.6B |
| Training and Education | $0.1B |
| Reserve O&M | $0.2B |

Rotational deployed presence

## MILCON: $0.2B

| | |
|---|---|
| MILCON | $157M |

Supporting "Grow the Force"

## R&D: $0.6B

| | |
|---|---|
| Classified Programs | $240M |
| USMC Ground Development | $280M |
| Aviation Development | $84M |
| Other | $52M |

Technology Investment

# Summary of DoN POM08/BES

- Implements CONPLAN 7500 and QDR 2006
- Reduces risk in GWOT and MCO2 USW and anti-access capabilities
- Slows, but continues warfighting transformation
- Slows procurement in key programs
- Ensures Maritime Dominance with measured risk
- Afloat and ashore readiness pressurized
- Military / Civilian manpower and Contractor Support pressurized
- Contributes to critical Marine Corps shortfalls

***Balances capabilities to support traditional with Irregular Warfare demands – with risk***

# CNO's POM-08 Unfunded Programs List

| ITEM | TITLE (Program/ Issue) | FY08 ($M) | Justification |
|---|---|---|---|
| 1 | LPD-17 | ~1,700 | Funds procurement of an additional LPD-17, with Advance Procurement (AP), in support of Expeditionary Warfare. |
| 2 | T-AKE | ~1,200 | Funds procurement of 2 additional T-AKE to accelerate required CLF/Seabasing requirements. |
| 3 | Joint Improvised Explosive Device Defeat (JIEDDO) Sustainment | 9 | Funds critical gap in Field Office Subject Matter Experts, World-wide In-Service Engineering Agent liaison Reps, and Joint CREW configuration management and software support. |
| 4 | Critical ASW Enhancements | 96 | Funds critical ASW enhancements including: SURTASS, Anti-Torpedo Defense capabilities, SQQ-89 procurement acceleration, MK-48 CBASS conversions and ARPDD integration into MH-60R |
| 5 | F/A-18E/F/G | 720 | 12 airframes requested (6 F/A-18E/F, 6 F/A-18G and ancillary equipment). Provides replacement for aircraft over designed service-life |
| 6 | MH-60R | 140 | 4 airframes requested, plus ancillary equipment. Provides needed replacement for critical ASW aircraft (SH-60B/S-3B). Increases production line capacity to maximum efficient production rate. |
| 7 | MH-60S | 200 | 9 airframes requested, plus ancillary equipment. Provides needed replacement for critical mine-warfare and logistics aircraft (HH-60H/H-3H). |
| 8 | C-40A | 330 | 4 airframes requested. Replacement for C-9 aircraft critical to Navy intra-theatre lift requirements ISO CENTCOM, PACOM and EUCOM. |
| 9 | T-6B | 24 | 4 airframes requested. Accelerates replacement of training aircraft. |
| 10 | Facility Sustainment | 240 | Current Navy-wide Sustainment is budgeted at 83%. Funds restore Navy-wide Sustainment to goal of 100%. |
| 11 | Coronado Homeport Ashore Bachelor Quarters | 75 | Provides necessary berthing for 3rd CVN planned for North Island, CA. Provides 2 modules of 200 rooms 800 spaces of market style spaces for junior Sailors homeported at NB Coronado. |
| 12 | Japan Homeport Ashore Bachelor Quarters | 150 | Funds necessary berthing for 2,248 personnel in Sasebo and Yokosuka Japan IAW DoD standard. |
| 13 | Fitness Center, Pearl Harbor, HI | 45 | Project is in support of CNO's goal to promote a culture of fitness and recapitalizes a sub-standard fitness facility. |
| 14 | MK XII / MKXIIA IFF | 69 | Accelerates MKXII IFF. MKXII IFF provides Mode 5 for positive friend identification. Improves combat effectiveness by enabling weapons employment while minimizing fratricide. Funding will provide integration of the following quantities: F/A-18 E/F/G 7; E-2D 4; MH-60R 3. |
| 15 | LCAC Sustainment and Personnel Transport Modules (PTMs) | 28 | Funds availability to resolve two critical material deficiencies for 9 LCACs awaiting SLEP; provides C4I upgrades and an improved technology Deep-Skirt; procures 11 PTMs to replace aging inventory. |
| 16 | Transit Protection System | 22 | Funds 2 large escort vessels supporting the SSBN Transit Protection System in FY08. |
| 17 | MPS Lease Buyout | 430 | NDSF costs to buy 9 remaining leased ships. |
| 18 | AMRAAM (AIM-120D) Inventory | 73 | Funds 72 additional missiles in FY08. Helps remedy critical inventory shortfalls at maximum production capacity. |
| 19 | Aircraft Depot Maintenance | 77 | Funds aircraft maintenance to goal (90%) for non-deployed squadrons and engine spares. |
| 20 | Navy Recruiting Advertising | 29 | Supports increased Navy accession mission. Provides focused marketing campaign targeted toward high demand GWOT skills - SEALS, Seabees - and Diversity objectives. Funds Navy Recruiting PRIDE IT system. |
| | **Total** | **5,657** | |

# Surface Warfighting Programs

# DDG Combat System Modernization

- $1B investment enables core modernization of DDG combat systems to pace the 2020+ threat environment and serve full service life . . .

## Air Dominance

**CIC Display Upgrades**
**OA Computing Plant**
**VLS Mods**
**ESSM (1 mod fwd/1 mod aft)**
**AWS CR-3 Computer Program**
**Multi-Mission SIGPRO**
**SPY-1D Transmitter Upgrades**
**Multi-Mission BMD**
**IABM (SIAP)**
**SM6/NIFC-CA (IOC FY14)**
**STAMO Upgrades**
**Sea Based Terminal BMD (Potential)**

## C4I

**NAVSSI BLK 4**
**IFF Mode 5**
**CEC**
**Comm Center Modernization**

## Gun Systems

**MK-160 Mod X GWS**
**Naval Fires Control System**
**5”62 Gun with ERGM Capability**

## Force Protection

**CIWS-1B**
**NULKA**
**SEWIP**
**SSTD (ATT) – IOC FY15**
**SQQ-89A(V)15 w/MFTA**
**MK 54 Torpedo/DFCI**
**SPS-73/IBS integration**
**SPQ-9B (ASMD)**

## HM&E Modernization

**Full IBS Upgrade**
**MCS/DCS Upgrades**
**GEDMS**
**Wireless Communications**
**Digital Video Surveillance**
**Quality of Life Upgrades**
**Advanced Galley**
**Mission Life Extension Upgrades**

**Modernization Phasing**

| | FY10 | FY11 | FY12 | FY13 |
|---|---|---|---|---|
| HM&E | 2 | 3 | 3 | 3 |
| C/S | 0 | 0 | 2 | 3 |

**Program of Record** **Funded Core POM 08** **Additional Upgrades Not Funded**

# Cruiser Modernization

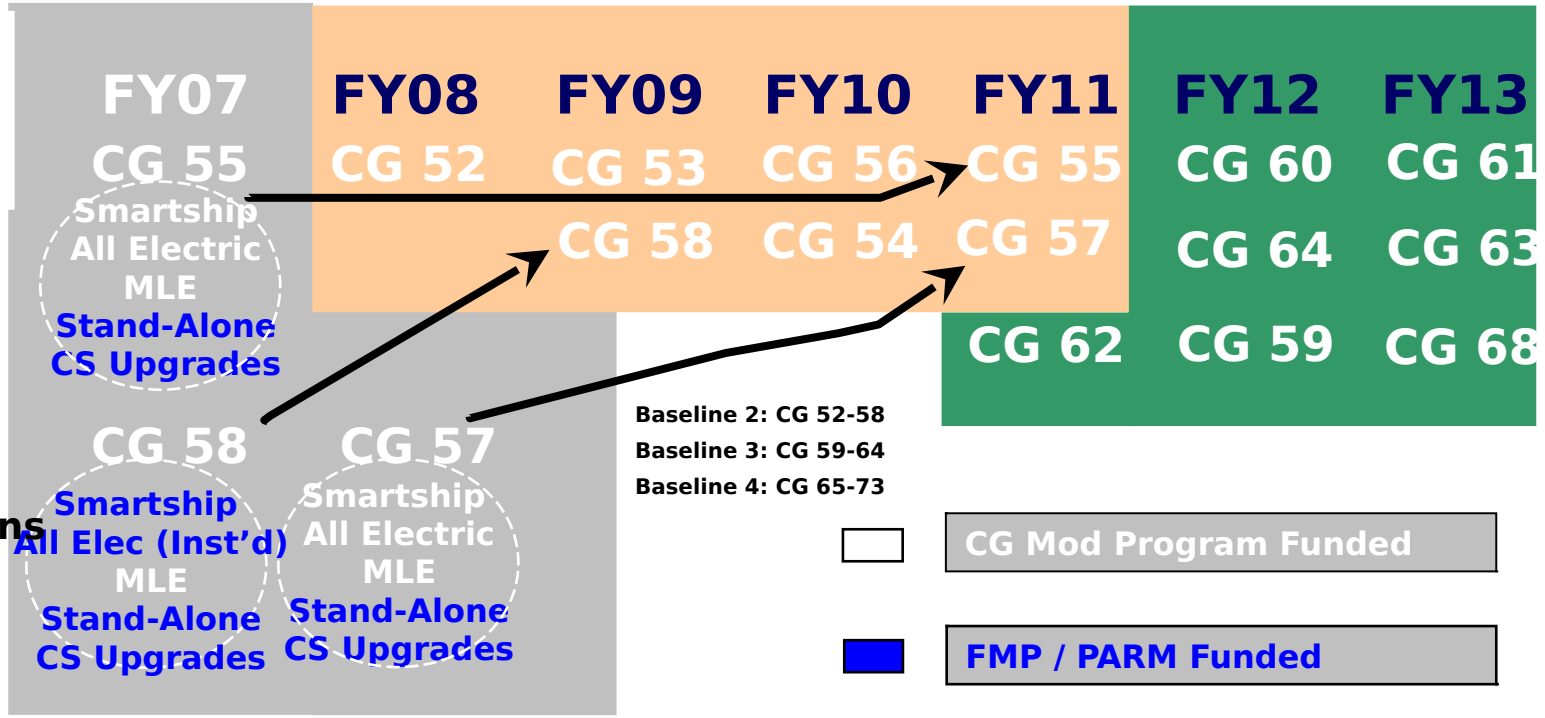
**BMC4I**
**CEC (Variant)**
**SGS A/C (B/L 2)**
**CDLMS (B/L 2)**

**GWS**
**5 inch/62**
**GWS**
**MK-160 GCS**
**OSS**

**Force Protections**
**ESSM**
**CIWS BLK 1B**
**SPQ-9B (ASMD)**
**SARTIS**
**SQQ-89A(V)15 (B/L 3 & 4)**

**Air Warfare**
**7 PH 1C Computer Program**
**COTS Computing Plant**
**Radar and Display Upgrades**
**VLS Modifications**

**HM&E**
**All Electric Mods**
**Smart Ship Upgrades**
**Structural Modifications**
**Quality of Service Upgrades**



# LSD 41/49 Class Mid-Life Upgrades

***Ensures viable Fleet assets thru their 40 year ESL!***

## Program Goals

- **Increase warfighting capability.**
- **Enhance / upgrade existing shipboard capability.**
- **Reduce Total Ownership Costs (TOC)**
- **Address critical safety concerns.**
- **Replace obsolete/unsupported HM&E systems.**

## LSD Mid-Life Availabilities

| | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
|---|---|---|---|---|---|---|
| POR | 1 | 3 | 3 | 3 | 2 | 0 |
| POM-08 | 1 | 2 | 2 | 3 | 2 | 2 |

## Planned Upgrades

§ **Program of Record**
‡ **Unfunded Requirement**

### Quality Of Life
‡ Habitability Program
‡ Maintenance Package

### Survivability
§ Weight & Moment Comp
‡ CPS Install (41-43 only)
‡ Auto Fire & Smoke Sensor Sys
‡ CPS Expand (Command Spaces)

### Technology Insertion
§ Machinery Control System (MCS)
§ Steering Control System (SCS)
§ Int Cond Assess Sys (ICAS)
‡ Damage Control System (DCS)
‡ Ballast Control System (BCS)
§ Power Management Platform (PMP)
§ On Board Trainer (OPBT)
§ Radar TLIs (Fuel & Water)
§ Deck Crane Controls
‡ Replace Bridge Crane
‡ Auto Heat Stress System

### Hull Mechanical & Electrical
§ Fuel & Engine Maint Savings Sys (PLMU)
§ All Electric Conversion
§ Electrical Distribution System Upgrades
§ Additional A/C Plant & Chill Water Upgrade
§ SSDG Lube Oil Purification System

### Mission
§ EFV (AAAV) Integration
‡ Well Deck Crane/Monorail

### ERM
‡ Well Deck Corrosion Prevention
‡ Water Barrier (LSD 41 CL)

### Force Protection
‡ Bridge Wing Extensions/ Surveillance Cameras

# CONPLAN 7500 Investments

- $79M Patrol Coastal Modernization

  posturing platforms for the long fight, brown and green water ops
- $79M Tomahawk Mission Planning Systems
- $29M SUW Mission Package with Enhanced EMIO Capacity

  2 EMIO/GWOT packages per year
- $218M VBSS AEL, CBR IPE Improvements & Mk 38 guns

  enhancing ability to be prepared for the threat
- $999M DDG C/S Upgrade Investment

  MCO-2, MCO-1 and reduced manpower

# Patrol Coastal Modernization

**Stern Ramp Conversion POR**

- 9-FT hull extension
- Integrated Stern Ramp with Winch
- Hydraulically operated stern gate
- Safer/quicker boat launch & recovery
- Hull Girder Enhancement
- Accomplished on 12 ships
  - PCs: 3, 5, 7, 9, 10, 11, 12
  - WPCs: 2, 4, 8, 13, 14
- Last install on PC 6 sked to start July 07

**Baseline PC**

**Stern Ramp Conversion**

**Life Extension Upgrades**

- MPDE / SSDG Replacement
- Comm Suite Upgrades
- Reverse Osmosis Units
- Radar Replacement
- EW Suite Upgrade
- Weapons Systems Upgrades

# QUESTIONS ?